

Welcome

Congratulations on your purchase of the EXPRESSO AG50s. From freeway to fairway to family, the Expresso AG50S has something for everybody in your household. This manual was created to quickly guide you through the many functionalities of your device and to assist you with the initial setup thereof. Please take a few minutes to read through the manual, after which you may begin using your AG50s and enjoying its many features.

Also, please visit us on the web at www.expressogps.com to register your device and for support help.

Thank you for choosing Expresso. **Toll free phone # 1-866-691-1350**

***Note:** Outside of North America, please check www.expressogps.com for a tollfree support phone number or email support@expressogps.com.

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Trademarks

GPS is based on satellites that orbit the Earth and are constantly transmitting their position. The GPS receiver uses this data and calculates its own geographical position based on the information transmitted by the various satellites. For a precise positioning it is necessary to obtain the data from at least three satellites. With the data from four or more satellites the altitude above sea level can also be ascertained. The determination has an accuracy of approximately three yards. Once the navigation device has determined your position, it can be used as a starting point for route calculation. The map data on your navigation device includes the geographical coordinates of all digitally recorded Points Of Interest (POIs), streets, and places. This enables the device to calculate a route between a starting point and a destination. The calculation of the current position and its representation on the map takes place once every second, so your current position is always shown on the map. If GPS reception is impaired, navigation is interrupted, but the navigation software remains active. As soon as GPS reception is restored, the navigation system calculates any change of position which has occurred in the meantime, and navigation continues.

Caution! The United States government operates the Global Positioning System (GPS) and is solely responsible for its accuracy and maintenance. Changes by the United States government may affect the accuracy and performance of all GPS equipment, including your personal navigation device.

Caution! Ordinance or laws may restrict use of certain abilities of your navigation device on public or private land.

Safety Information

Please read the following notices and safety information carefully before starting to use your navigation system.

Caution! Do not attach the Espresso AG50s in a location that would interfere with airbag deployment

Caution! To prevent accidents, do not operate the navigation system while driving.

Caution! Do not look at the display unless it is absolutely safe to do so.

Caution! Traffic regulations have priority over any instructions from the navigation system.

Caution! Follow the instructions of the navigation system only when road conditions and traffic regulations allow you to safely do so! The navigation system will guide you to your destination even if you deviate from the calculated route.

Caution! Check that the cradle is secured and adjusted properly before each use of the navigation device.

Caution! Protect the device from moisture. The device is water resistant NOT waterproof, and is not protected against water damage.

Caution! Unplug the navigation device's power supply when you park the vehicle. The navigation device requires power in standby mode, and can drain the vehicles battery.

Caution! Do not open the navigation device's casing under any circumstances.

Caution! Do not expose the navigation device to extreme heat or cold. This may damage the device or impair its function.

Caution! Use only the provided chargers or one that has been approved by the manufacturer.

Caution! Connect the charger to a suitable power supply. Voltage requirements are provided on the device case and/or the packaging.

Caution! Turn off your device in any location where posted notices instruct you to do so. These locations include hospitals or health care facilities that may be using equipment that is sensitive to external RF

Safety Information

energy. Keep the device at least four inches from a pacemaker to avoid radio waves.

Caution! In an aircraft, turn off your mobile device whenever instructed to do so by airline staff.

Caution! When installing the Espresso AG50s, ensure that it does not represent a risk in the event of an accident.

Caution! Do not run cables directly next to safety-relevant devices and power supplies.

Caution! After installation, check all safety-related equipment in the car.

Caution! Connect the car charger cable to cigarette lighters with an operating voltage of 12V only.

Note: Ensure that there are no kinks in the cable and that it will not be damaged by any sharp objects.

Note: Clean the navigation device using a moist cloth only.

Note: Do not unplug by pulling on the cable. Doing so could damage the cable!

Note: Create a backup of the data contained on the internal memory of the device.

Note: The memory card must remain inserted in the device during operation of the navigation system.

Note: Use SD-memory cards only! Ensure that memory card contacts are clean and undamaged.

Multimedia disclaimer

Multimedia should not and cannot be activated during navigation mode. Do not use multimedia functions while operating a vehicle.

Avoiding theft

To avoid theft, remove the Espresso AG50s and mount from sight when not in use. If using with a windshield mount, remove the residue left on the windshield by the suction cup.

Legal Notices

NOTICE TO DRIVERS IN CALIFORNIA AND MINNESOTA

State law prohibits drivers in California and Minnesota from using mounts on their windshields while operating motor vehicles. EXPRESSO SATELLITE NAVIGATION INC does not take any responsibility for any fines, penalties, or damages that may be incurred as a result of disregarding this notice. (See California Vehicle Code Section 26708(a); Minnesota Statutes 2005, Section 169.71)

GPS

Underwriters Laboratories Inc. (“UL”) has not tested the performance or reliability of the Global Positioning System (“GPS”) hardware, operating software, or other aspects of this product. UL has only tested for fire, shock, or casualty hazards as outlined in UL’s Standard(s) for Safety (UL 60950-1, cUL 991). UL Certification does not cover the performance or reliability of the GPS hardware and GPS operating software. UL MAKES NO REPRESENTATIONS, WARRANTIES, OR CERTIFICATIONS WHATSOEVER REGARDING THE PERFORMANCE OR RELIABILITY OF ANY GPS RELATED FUNCTIONS OF THIS PRODUCT.

Before you start

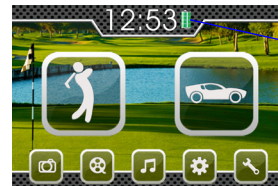
Caution! Please be sure to read, understand, and follow the safety information in “Safety Information” on page iv.

Charging the battery

When purchased, the rechargeable battery might not be fully charged. We recommend that you fully charge the battery before using the device for the first time.

To charge the battery, do one of the following:

- Connect the USB cable to the device and your computer (**Note:** The device will stop charging if the computer enters sleep mode or powers down).
- Connect the 12 volt car charger cable to the device and into your cigarette lighter socket.



The Battery Status icon indicates the battery charge.

- The green highlight indicates the strength of the charge left in your device.
- If no green highlights are seen, your battery is dead and needs to be recharged.
- If all levels are highlighted in green (as shown), then your battery is fully charged.

Note: It takes approximately 6 hours to charge the device when the battery is dead. A fully charged battery provides up to 7-10 hours of GPS use, and much more in some Media functions.

Before you start

Memory cards

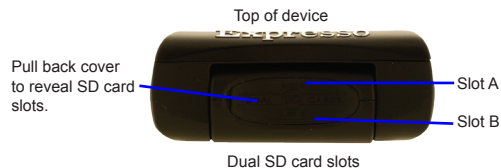
-There are 2 SD card slots in the AG50s. Slot A has can be used to store an extra memory card, and is used for updating automotive maps.

-Slot B is specifically designated for multimedia use. To use multimedia, you will need to use another SD card (not included). Please see multimedia section for instructions on properly setting up the SD card for use in Slot B.

To insert an SD card in either slot, press the card into the device until it locks into place. (**Note:** The contacts on the SD card should go into the slot first, and should face in toward the circuit board).

Removing a memory card

1. Switch the navigation device off by pressing the power button.
2. Press the desired SD card into the slot, and it will pop out enough to be grabbed.
3. Pull out the SD card.



Before you start

Acquiring Satellites

1. Go outdoors to an open area away from tall buildings and trees where you can see the sky.
2. Turn on your Espresso AG50s device.

Acquiring satellite signals can take a few minutes. To check on the status and strength of the signal, open the automotive navigation software, from the main menu select “Tools & Settings,” then scroll through and select “GPS” from the list. There it will show you how many satellites and the strength of the signal.

Note: Due to the location of the antenna, the AG50s will perform approximately 30% more efficiently with the screen in the open position. Once signal is obtained you may use your device in the closed position if preferred.

Initializing the GPS receiver

Note: It can take up to 10 minutes to initialize the integrated GPS receiver for the first time. Each time you turn on the device thereafter, GPS reception starts within one minute. If the navigation device has been switched off for more than a week, the next initialization can take up to 10 minutes. As soon as the navigation device has been switched on, initialization of the GPS Receiver begins. As soon as data from at least 3 satellites is received, you are ready to begin navigation.

Caution! If you have connected the navigation device to the power supply via the vehicle’s cigarette lighter, remove the connector before you leave the vehicle for a long period of time. The GPS receiver requires a constant supply of power and it could drain the vehicle’s battery.

Note: Depending upon your continent, your Espresso AG50s will come with maps of either 1. The 48 contiguous United States, Alaska, Hawaii, Puerto Rico, the Virgin Islands, and all 13 Canadian Provinces and Territories, 2. Australia and New Zealand, or 3. The United Kingdom and Ireland.

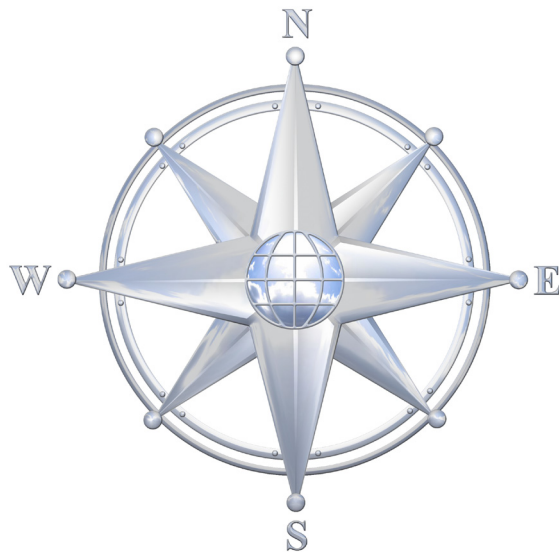
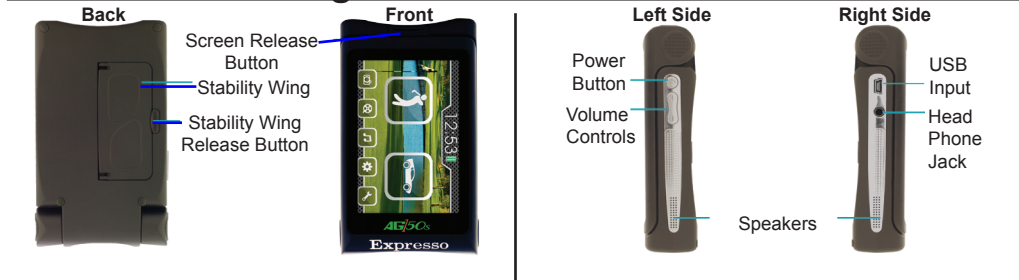


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Getting Started: Device Overview



Fully Extended Front View



Fully Extended Side View



1

Top of Device



Dual SD card slots
Slot A and Slot B

Note: Slot A is for storage of and extra SD card only. Media files are read from Slot B.

Getting Started: Mounting Options

Expresso's AG50s has 4 different mounting functions. The below mounting options are legal in all 50 states, because they do not obstruct your field of view. In dash mount mode and cup holder mode you acquire satellites faster on initial start up.

The dash mount function (Figure 1) allows you to set the device directly onto your cars dash, leaving your field of view open. The AG50s has 4 rubber foot grips that keep the device from sliding.

Note: You may use a stylus, pencil eraser, or golf tee to touch the screen. It even works while wearing gloves. If using said objects, be careful not to scratch the screen.

Note: Included in the box is a dash-mount pad that allows for greater stability.

Figure 1



The AG50s' cup holder mode (Figure 2) works great in golf carts and in some motor vehicles.

Figure 2



2

Getting Started: Mounting Options

An optional windshield mount is available for purchase at www.expressogps.com.

Caution: In some states, an improperly mounted windshield mount is considered illegal.

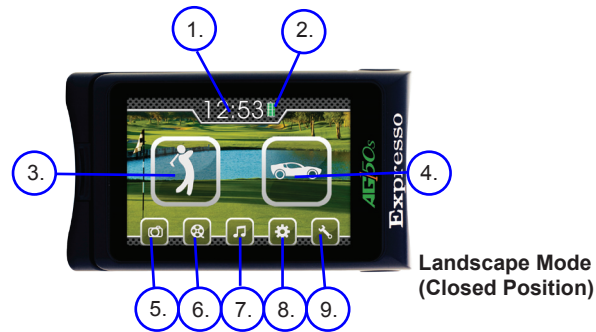


The media player stand allows you to easily watch videos on table tops or on airplane trays.

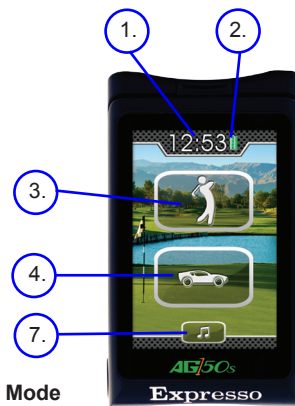
Caution: Multimedia cannot be activated during navigation mode. Movies should never be viewed by the driver while operating any vehicle.



Getting Started: Main Menu



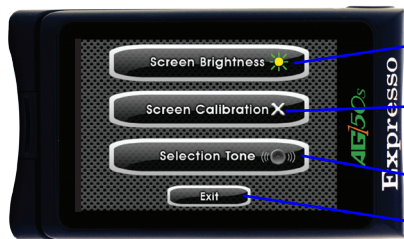
1. Clock
2. Battery Status (See page vii)
3. Select to access iGolf Rangefinder
4. Select to access Automotive Navigation
5. Select to access Photo Viewer
6. Select to access Video Player
7. Select to access Music Player
8. Select to access Settings Menu
9. Select to access Tools Menu



**Portrait Mode
(Open Position)**

Note: You cannot access Photo Viewer, Video Player, Settings Menu, or Tools Menu while in Portrait Mode.

Getting Started: Tools & Settings

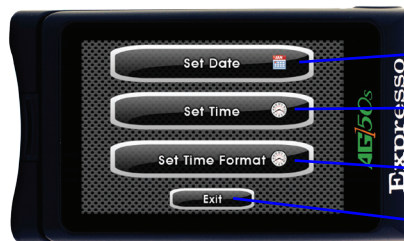


Screen Brightness adjusts how bright or dim the screen is on your AG50s.

Screen Calibration helps improve the accuracy of the touch screen by calibrating it. It is recommended that you calibrate your screen at least twice per year.

Selection Tone allows you to mute the tone that plays when you select buttons on your AG50s.

Exit to Main Menu.



Set Date allows you to set the date.

Set time allows you to set the time and toggle Daylight Savings on or off.

Set time allows you to set the time and toggle Daylight Savings on or off.

Exit to Main Menu.

Getting Started: Resetting the AG50s

Occasionally, it may be necessary to reset (reboot) your device. In fact, in the times that you may be experiencing trouble with your device, a reset is the first troubleshooting step recommended. It is quick and easy to do, simply follow the process as outlined below:



To reset the AG50s, Flip the screen up into the open position. Open the cupholder stability wing on the inside of the device, and locate the reset button that lies beneath it. It is a small pinhole with the word "Reset" next to it. In order to access the reset button, you will need something to push it with. A paperclip with a small enough diameter to fit the pinhole works perfectly. A toothpick will also work; however, if you use a toothpick, be careful not to push so hard as to break it inside the pinhole. When you push the reset button, you will feel it click. Once you feel it click, hold it in for a couple of seconds. This will power the device down and reset the module to zero. At this point, you can power the device back on.



Home to the world's largest GPS enabled
golf course database, iGolf's software is loaded
with tools and features to assist you
with improving your game.

iGolf

Play Golf Now
The AG50s is preloaded with GPS data for over 18,000 golf courses, and is ready to use immediately on any mapped golf course.

1. Proceed outside, away from tall buildings and trees for a clear view of GPS satellites.

2. With the device powered on, select iGolf from the main menu. For better reception, flip the screen up into the open position. Once signal is acquired, you may close the screen.

3. Check for GPS signal. In the upper right-hand corner of the

screen, find the “T” shaped icon. 2 or more green bars with the “T” icon indicates good signal.

4. Once the signal has been confirmed, select “Play Golf.” The AG50s will then search for courses based upon your position, and the courses nearest to your location will be displayed automatically.

5. Select your course from the list. You may scroll through the list for more results by sliding your finger across the screen from the bottom to the top.

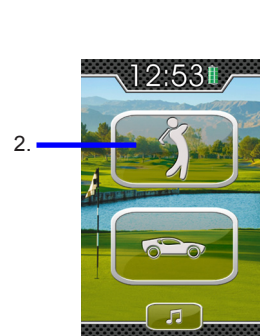
6. Select your Teebox.

7. The AG50s will show you

On the Course

the first hole of the course by default. If you are doing a shotgun start, you can manually switch holes by sliding your finger across the golf green. Slide from right-to-left to advance to the next hole, or slide from left-to-right to return to the previous hole. If Auto Advance is enabled, the AG50s will automatically advance to the next hole when you arrive at the teeboxes. Auto Advance can be turned on or off from the main iGolf menu by selecting “Settings” then selecting “Device Settings.”

iGolf



Slide your finger across the green to change holes. Right-to-left for next hole. Left-to-right for the previous hole.

iGolf

iGolf Features

With the iGolf software, you can track your shot distances, keep your score, and track your putts and your handicap.

If you are a premium member with iGolf, you can also access the interactive maps for the courses that you have downloaded. You can even map your own course!

1. To track your shot distance, locate the “Shot Distance” target button directly below the golf green. When you press this

button, it sets point A (where you are standing) to “0.” Once you are standing by your ball (point B), the number showing in the “Shot Distance” field reflects the distance from point A to point B in a straight line.

2. To keep score on your device, select the button along the bottom of the screen with the pencil icon. This allows you to enter your score for each individual hole as well as your putts. After entering your score and putts, you will be returned to the score screen automatically. You can also return

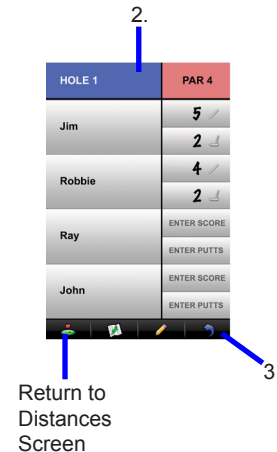
On the Course

to the score screen by selecting the button along the bottom with the golf green icon.

3. After entering your score for the last hole on the course, save your data by utilizing the navigational icons. First, select the blue “back” arrow. This brings up the Play Menu. Select the red “x” icon to exit the game. Select the red “x” icon once more to exit the iGolf software. Your score is saved into a folder named “SP” on the internal memory of the device.

(Continued on next page)...

iGolf



On the Course



iGolf

When you sync your device with your account at www.igolf.com, the scores contained in the “SP” folder are cleared. You can view them using the “iGolf Handicap Tracker.” Simply select the “Handicap” button located at the top of the iGolf webpage.

4. If you are a premium member with iGolf, you can access the interactive course maps you have downloaded by selecting the button along the bottom of the screen with the map icon.

This brings up an overhead view of the hole you are currently playing.

5. When you have the interactive map open, the yellow target defaults to the center of the fairway and shows 2 equal distances. The distance notated by the first red line is the distance between the tee box and the center of the fairway. The distance notated by the second red line is the distance between the tee box and the green.

6. The yellow target can be moved around by placing your

On the Course

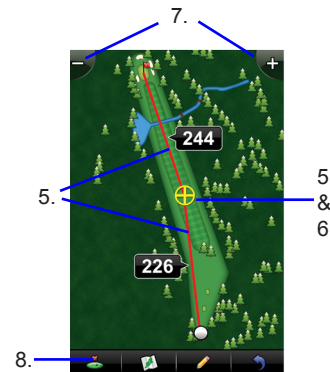
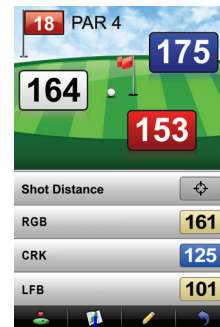
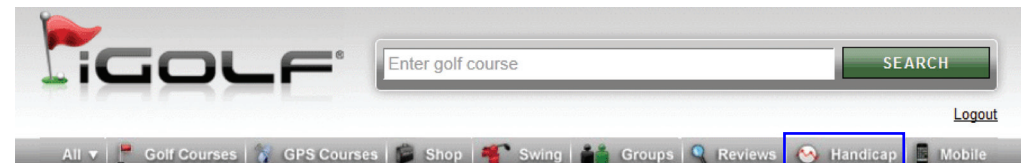
finger upon it and sliding it to the new position you desire. This allows for detailed shot planning and club selection.

7. There are zoom controls located at the top of the screen in the interactive course map view. These allow you to zoom in and out as you desire for a more optimal view of the hole layout.

8. To exit the interactive view, simply select the button along the bottom of the screen with the golf green icon.

(Continued on next page)...

iGolf



On the Course

3. (Pages 11-13)

Note: Select Demo Course from course results list to get a feel for the functionality of the iGolf software

9. The iGolf software has a feature that allows you to map your own course if it is not included in the iGolf database. To do so you will need to be at the course and have satellite signal in order to record GPS points for each hole. It would also be helpful to keep a scorecard for the course with you. Follow steps 10-23 below.

10. From the main iGolf menu, select "Map Course."

11. Select "Create Course."

12. Select a "New Course" number slot from the list.

13. In the "Spell State or Country" screen, type in the first letter of your state or province then select it from the list.

14. Select "Course Name," then enter the name of the course and save it.

15. Select "Course Data" and enter the par and handicap information for each hole. This is where having a scorecard comes in handy. Save each hole as you complete them.

16. After entering the course data for the last hole, select "Save" on the page that lists the hole numbers.

17. Select "Map GPS Points." You will need to be at the course for this portion of the process. You will also need satellite signal.

18. Select "Hole 1."

19. Stand at the front of the green and select "Front."

20. Select "Register" to record the GPS point.

21. Repeat steps 19 & 20 for the "Center" and "Back" of the green, as well as CSTM 1, 2, & 3. (CSTM are custom points which refer to hazards).

22. Repeat steps 18-21 for all remaining holes on the course.

23. Be sure to save your data.

That's all there is to it!. Mapping an entire course may take a few hours to complete.

Alternately, premium members at www.igolf.com can request GPS for courses that aren't mapped by pulling up the course on the website, then selecting "GPS," then selecting "Request GPS."



9. Follow steps 10-23 as outlined on page 15 to map GPS points for your own course.

Hazard Abbreviations

The iGolf application will show up to three hazards at a time, depending upon the layout of the hole. If there are no hazards on a hole, the hazard callouts will read **CSTM1**, **CSTM2**, and **CSTM3**, indicating that those slots are custom points that have interchangeable definitions that are customized to fit that particular hole. If there are hazards on a hole, there are many different abbreviations that reflect different types of hazards. The definitions for these abbreviations are outlined in the section to the right.

1. EOF- End of Fairway
2. LFB- Left Fairway Bunker
3. MFB- Middle Fairway Bunker
4. RFB- Right Fairway Bunker
5. RGB- Front Green Bunker
6. RGB- Right Green Bunker
7. LGB- Left Green Bunker
8. BGB- Back Green Bunker
9. LFW- Left Fairway Water Layup
10. LFWC- Left Fairway Water Carry
11. MFW- Middle Fairway Water Layup
12. MFWC- Middle Fairway Water Carry
13. RFW- Right Fairway Water Layup
14. RFWC- Right Fairway Water Carry
15. RGW- Right Green Water
16. FGWC- Front Green Water Carry
17. FGW- Front Green Water Layup
18. LGW- Left Green Water
19. BGW- Back Green Water
20. CRK- Creek Layup
21. CRKC- Creek Carry



These 3 windows show the distances to hazards. When no hazard information is available, the boxes will read CSTM. Page 17 has a full list of the various hazard abbreviations that may appear in these windows.

Join iGolf.com

Within 45 days of using the iGolf application for the first time, you must register the device for free at iGolf.com. A premium membership option is also available, providing access to interactive course maps with distance to any point on the hole for detailed shot planning.

1. Go to www.igolf.com
2. Select "Join Now" to begin the registration process.
3. Enter your email address.

This will be your username when logging in.

4. Create a password. This can be anything you want it to be, as long as it is easy for you to remember. You will also need to confirm your password.

5. Select your brand. In this case it will be Espresso.

6. Select your product. In this case it will be the AG50s.

7. Membership field will set automatically to "Register."

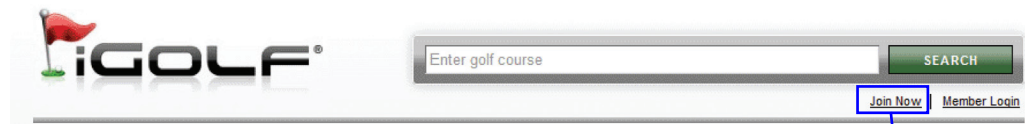
8. Enter your product I.D. This will be the serial # on your device beginning AG50S. It can be

located by flipping the screen into the "Open" position and finding the barcode sticker containing the full serial #.

9. Select the "Join Now" button.

10. You will be given the option to upgrade. If you know you would like the premium membership, you can upgrade immediately. Otherwise, select "No Thanks" to sign up for the free membership. You can always upgrade later if you choose to do so.

11. Complete the information fields and select "Save."



The image shows the "JOIN NOW" registration form. It contains the following fields and callouts:

- Email:** A text field containing "i_doe@email.com" with a blue line pointing to the number 3.
- Password:** A text field with masked characters (dots) with a blue line pointing to the number 4.
- Confirm Password:** A text field with masked characters (dots) with a blue line pointing to the number 4.
- Brand:** A dropdown menu with "Espresso" selected, with a blue line pointing to the number 5.
- Product:** A dropdown menu with an arrow icon, with a blue line pointing to the number 6.
- Membership:** A dropdown menu with an arrow icon, with a blue line pointing to the number 7.
- Product ID:** A text field with a blue line pointing to the number 8.
- JOIN NOW:** A button at the bottom right of the form with a blue line pointing to the number 9.

Syncing with iGolf

You will need to sync your device with iGolf.com. Doing so will eliminate the 45 day countdown to register with iGolf. This will also update the preloaded courses and sync saved scores to ensure that all GPS data on your device is updated.

1. Once logged into iGolf.com, select the “My Profile” link to navigate to your profile page.
2. Connect your device to your

computer using the USB cable provided with your accessories.

3. Make sure your device is powered on.
4. Select the “Sync Device” button on the left hand portion of your profile page.
5. On the initial sync of the device you will receive a large course update, indicated by a status bar and message reading “Updating courses. Do not Disconnect. This may take several minutes.”
6. It is advisable to sync your device often to receive any

available updates to the iGolf software, or to sync any scores to the handicap tracker.

*Note: The iGolf website uses a Javascript application in order to sync information between the website and the device. You will need to have a current version of Java installed on your computer. Java is available for download at www.java.com. For more information, please see item 1c. on page 26 (iGolf troubleshooting guide).

4.

The screenshot shows the iGolf website interface. At the top, there is a search bar with the text "Enter golf course" and a "SEARCH" button. Below the search bar is a navigation menu with links: "All", "Golf Courses", "GPS Courses", "Shop", "Swing", "Groups", "Reviews", "Handicap", and "Mobile". The main content area is divided into two columns. The left column contains a "MY PROFILE" section with links: "My Profile", "My Product", "Sync Device" (highlighted with a blue box and a blue arrow pointing to the number 4), and "Member Support". The right column contains a "MY PROFILE" section with a user profile for "Expresso AG1" (591 Camino de la Reina, San Diego, California 92108). Below this is a "MEMBERSHIP SUMMARY" table showing: Membership: Paid, GPS Credits: 62, Expire Date: 03/20/12, Handicap: --, Rounds Played: 0, and Average Score: 0.0. Below the membership summary is a "MEMBER NEWS" section with three news items. At the bottom, there are two tables: "HARDWARE DEVICE" and "MOBILE DEVICE", each with a "QUICK LINKS" column. The footer contains four sections: "Powered by iGolf" (Partner Overview, Advertise with us, Developer Tools), "About iGolf" (Company Info, Press Releases, Newsletters), "Technical Support" (GPS Products, Mobile Devices, Web Devices), and "Newsletter Sign-up" (Email input, OK button, >> More Info, > Privacy). The footer also includes the copyright notice: "© 2011 L1 Technologies Inc. All rights reserved. Searching 34,628 Golf Courses."

iGolf

Premium Option

iGolf offers a premium membership that allows users to download interactive course maps for the courses of their choosing. The 12-month membership is \$34.99 (may be subject to change), and includes 50 GPS credits, each of which is good for downloading the interactive map for 1 course. iGolf premium maps do not expire, and course maps can be re-downloaded.

1. If you have opted for the premium membership,

downloading interactive course maps is quick and easy. Start by logging into your account at

www.igolf.com. Make sure that your device is connected to your computer with the provided USB cable and it is powered on.

2. At the top of the page, select the link that is titled “GPS Courses.”

3. In the bottom right-hand portion of the page you will see a search bar in the “Search for golf course gps files” box. Type in the name of a course in the bar and select “Search.”

On the Web

4. Find your course on the list of results and click one time on the name.

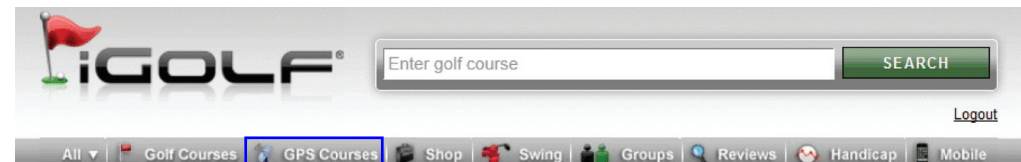
5. Select the large green “Download GPS & Scorecard” button. This will download the interactive map for the selected golf course directly onto the internal memory of your device.

That’s all there is to it!

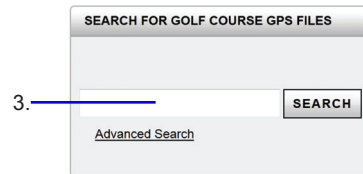
Repeat steps 2-5 for any additional courses you wish to download.

iGolf

On the Web

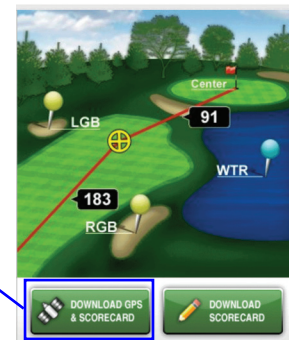


2.



3.

5.



Issue	Cause(s) & Solution(s)
1. Trouble syncing with iGolf. Please refer to answers 1a.-1d. in Cause(s) & Solution(s) section. *Note: if the provided solutions do not resolve the problem, contact either iGolf at 858-880-0267 or Espresso Satellite Navigation at 1-866-691-1350. In Europe or Australia, visit www.expressogps.com or email support@expressogps.com.	1a. Computer may not be recognizing the device. Make sure the device is connected to the computer with the provided USB cable. Make sure the device is powered on. Windows Users: On your computer, go to your start menu, then select either "Computer" or "My Computer" depending on your version of Windows. Next, under "Devices with Removable Storage," there should be a "Removable Disk" listed. If it is not there, try plugging in to a different USB port on your computer. If it is there, double click on it to open it and view the files within. You should see 4 folders (Fairway, Flag, SP, & Tree). If you see this, move on to answer 1b. Mac Users: Open Finder and check for removable disk under Places.

1b. Your web browser may not be compatible with the iGolf website. iGolf recommends using Firefox, which can be downloaded for free at www.mozilla.com. Keep in mind that you can have more than one web browser installed on your computer.

1c. Java may not be installed or may be out of date. iGolf's website utilizes Java, so it is essential that your version of Java is up to date. You can download Java at www.java.com. After installing Java, it may be necessary to restart your web browser and/or computer. Occasionally, old versions of Java may remain installed on your computer after updating. These older versions of Java may conflict with the most recent version, so if you still cannot sync after installing Java, check for older versions. You can do so by going to your start menu, and then selecting "Control Panel." Find the "Uninstall a Program" link (Windows 7). Windows XP may list it as Add/Remove Programs. From there, find

Java on the list and remove any older versions. Keep only the most recent version. As noted in answer 1b., if you are using Internet Explorer and still having problems syncing your device, try installing Mozilla Firefox.

1d. For Mac users: The minimum version of Java required for syncing with iGolf is 1.6.0_10 (Java 6 Update 10). Apple develops their own version of Java, so it must be downloaded through them. This version of Java is only supported by OS X 10.6 or newer. For more information regarding Java for Macs, visit <http://support.apple.com>.

iGolf

Troubleshooting Guide

Issue	Cause(s) & Solution(s)
2. Trouble acquiring satellite signal in iGolf. Please refer to answers 2a.-2c. in Cause(s) & Solution(s) section. *Note: When trying to acquire satellite signal, it is advisable to have the screen flipped up into the open position. In the open position, the antenna will be located at the top of the device, and will be completely un-obscured, thus performing approximately 30% more efficiently. *Note: if the provided solutions do not resolve the problem, please contact Espresso Satellite Navigation at 1-866-691-1350. In Europe or Australia, visit www.expressogps.com or email support@expressogps.com.	2a. You may have selected “Play Golf” before having establilshed signal. This would result in seeing a warning message that states “Not enough satellites to find local courses.” Wait for signal to improve or perform a manual search. If this is the case, back out to the main iGolf Menu. Check for GPS signal. In the upper right-hand corner of the screen, find the “T” shaped icon. 2 or more green bars with the “T” icon indicates good signal. Once signal is confirmed, select play golf and a list of local courses will come up. 2b. If you are unable to acquire signal in iGolf within a couple minutes, the “Navipath” file on the internal memory may need resetting. (The Navipath file controls switching between automotive navigation and golf GPS modes). To do this, exit the iGolf application and open the automotive navigation application. Once

iGolf

Troubleshooting Guide

open, you will want to confirm your satellite connection there. To do so, follow these steps: -Accept the safety instructions on the intro screen. -From the Main Menu, select “Tools & Settings.” -Scroll down through the pages and select “GPS.” -Check your Satellite number and your HDOP number. A good signal will be indicated by 3 or more satellites and an HDOP number below 5.0 (the lower the number, the better). -Once you have confirmed you have signal in the automotive application, exit out to the main menu and open iGolf. You should see green bars with the “T” icon within 30 seconds.	2c. If you still have trouble acquiring signal, try performing a hard reset on the device. You can do this by flipping the screen up into the open position. On the inside of the device you will find a cup holder stability wing. Open the wing, and find the reset button below it. The reset button is a small pinhole, so you will need something to access it. A paperclip works very will for this. Push in on the reset button. You will feel it click. Once it clicks, hold it in for 2-3 seconds. This will power the device down and set the module to “0.” Once the reset is complete, try the process from the beginning, making sure you have signal BEFORE selecting ‘Play Golf.’
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Issue	Cause(s) & Solution(s)
3. Distance callouts on the screen show “999.” Please refer to answers 3a. & 3b. in Cause(s) & Solution(s) section.	3a. The AG50s gives the distances to the green and custom points based upon your GPS position. If you are 999 yards/meters or more away from the hole your device is set to, it will show 999. 3b. If you are playing the hole and the device is showing 999, there may be an issue with some mapping coordinates. This usually occurs if a golf course has made changes to their layout. In these instances, please report the issue to iGolf at 858-880-0267. If you prefer, you may report the issue to Espresso Satellite Navigation at 866-691-1350, and we will work with iGolf to resolve the problem. In Europe or Australia, visit www.expressogps.com or email support@expressogps.com. *Note: It is also possible in scenario 3b. that the wrong course was initially selected. Make sure the correct course and hole are selected first.

Issue	Cause(s) & Solution(s)
4. Distance callouts on the screen suddenly go blank. Please refer to answer 4. in Cause(s) & Solution(s) section. *Note: if the provided solutions do not resolve the problem, contact Espresso Satellite Navigation at 866-691-1350. In Europe or Australia, visit www.expressogps.com or email support@expressogps.com. 5. Other inaccuracies. Please refer to answer 5. in Cause(s) and Solution(s) section.	4. This occurs when satellite signal is interrupted. If you are using the device in the closed position, be sure not to cover the latch area with your hand, as doing so will block the antenna and interfere with signal. Keeping the device in your pocket may also block signal. If you ride in a golf cart when playing, it is advisable to use the device in the open position at all times, utilizing the cup holder mount method. 5. Occasionally, mapping coordinates may be off due to a restructuring of a course or some other cause. If you notice inaccurate distances for any hole on any course, please report the issue to iGolf at 858-880-0267. If you prefer, you may report the issue to Espresso Satellite Navigation at 866-691-1350, and we will work with iGolf to resolve the problem. In Europe or Australia, visit www.expressogps.com or email support@expressogps.com.

Issue	Cause(s) & Solution(s)
6. Trouble finding a course in iGolf. Please refer to answers 6a.-6d. in Cause(s) and Solution(s) section.	6a. The course may not be mapped by iGolf. Search for the course at www.igolf.com to verify whether or not that course is in the GPS database.
*Note: if the provided solutions do not resolve the problem, contact either iGolf at 858-880-0267 or Espresso Satellite Navigation at 866-691-0267. In Europe or Australia, visit www.expressogps.com or email support@expressogps.com .	6b. If the course is in the GPS database, it may be farther down on the list. Scroll through the list by sliding your finger up the screen.
	6c. If you still can't locate your course, try performing a manual search to see if you can pull it up.
	6d. If the course is not in the GPS database, you have the option to map the course manually using the "Map Course" feature in the application. Premium members with iGolf have the additional option of requesting GPS for unmapped courses.

Issue	Cause(s) & Solution(s)
7. Error Messages:	7a. Trying to access iGolf on your device while you are connected to the computer. If you are connected to the computer, you will not be able to access the iGolf software, if you try to, or if you accidentally touch the iGolf button while connected, this error message will occur every time. When connected to the computer, it is best to set the device aside where you won't accidentally touch it, or power it off when charging.
"The Navigation File Does Not Exist" Please refer to answers 7a.-7c. in Cause(s) & Solution(s) section.	7b. If you see this message occur while disconnected, try performing a hard reset as detailed in Cause(s) and Solution(s) answer 2c.
"Fatal Application Error" Please refer to answers 7b. & 7c. in Cause(s) & Solution(s) section.	7c. If you still see this message occur, check the internal memory of the device to make sure that the Navipath file has not been deleted. Do so by going to your start menu, select "Computer" or "My Computer" and find your "Removable Disk."
*Note: if the provided solutions do not resolve the problem, please contact Espresso Satellite Navigation at 866-691-1350. In Europe or Australia, visit www.expressogps.com or email support@expressogps.com .	

Issue	Cause(s) & Solution(s)
8. Device does not automatically advance between holes. Please refer to answer 8a.-8c. in the Cause(s) and Solution(s) section. *Note: if the provided solutions do not resolve the problem, contact either iGolf at 858-880-0267 or Espresso Satellite Navigation at 866-691-1350. In Europe or Australia, visit www.expressogps.com or email support@expressogps.com .	8a. Auto Advance is set to "Off." From the main iGolf menu, select "Settings." Next, select "Device Settings." From there, find Auto Advance. If it is turned off, set it to "On." 8b. You are starting on a hole other than the first. The AG50s will show you the first hole of the course by default. If you are doing a shotgun start, you can manually switch holes by sliding your finger across the golf green. Slide from right-to-left to advance to the next hole, or slide from left-to-right to return to the previous hole. 8c. In some instances, if a green and another fairway are close to each other, you may need to manually advance to the next hole. This may also occasionally be necessary depending on the location of the cart path. (See page 10).

Espresso Satellite Navigation, Inc.

Toll-Free Line:
1-866-691-1350 Ext. 2007

Email:
support@expressogps.com

Address:
824 Lincolnway, 3rd Floor
La Porte, IN 46350

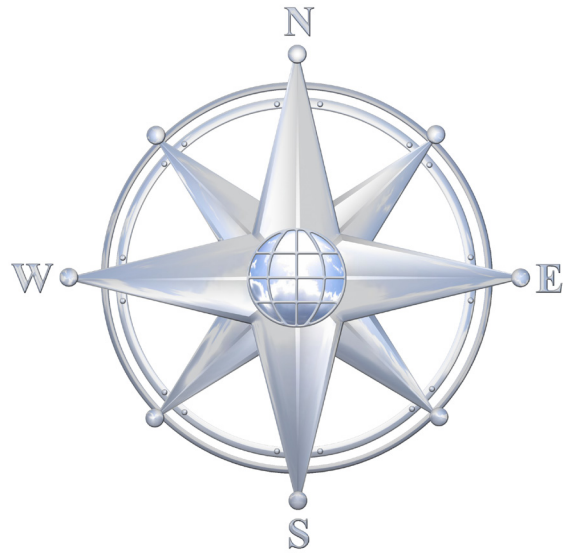
Hours of operation:
M-F 9:00AM-6:00PM
Central Standard Time

iGolf Customer Support

Phone:
1-858-880-0267

Email:
From your profile page at www.igolf.com,
select "Member Support" then select
"Member Email Support"

Hours of operation:
M-F 9:00AM-5:00PM
Pacific Standard Time



Featuring the latest NAVTEQ maps, the automotive navigation software has been designed to provide all the features expected from a modern navigation system while still maintaining an easy to use interface, appealing aesthetics and a wide range of added value services that can meet the demands of any customer.

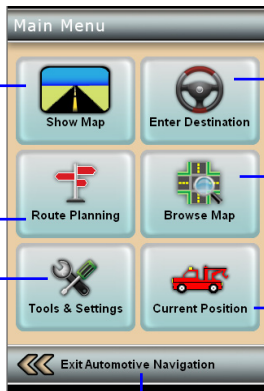
Automotive Navigation

This section covers the basics of the Automotive Navigation software. To open the Automotive Navigation software, select the Automotive Navigation button from the main menu (page 4, item 4).

1. Show map shows the drive map of your immediate vicinity when GPS is acquired. This option is great for finding local POIs.

2. Route planning allows for detailed route planning with a beginning point, and ending point, and any stops in-between.

3. Tools & Settings allows you to select Route Type, Route Options, Map/Drive Options, Voice Options, as well as select Language, Select POIs to show on the map, Check GPS status, and more.



7. Exit to Main Menu

4. Enter a destination to begin navigation. See next page for more detail.

5. View an interactive overhead 2D image of your local map. Zoom in and out and jump to POIs.

6. View your location by road name, city name, and latitude/longitude coordinates. Also contains useful phone numbers such as AAA.

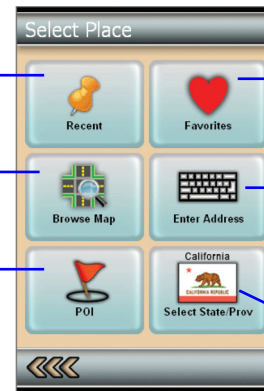
Main Menu

Automotive Navigation

1. Select from a list of recent locations for quick, easy navigation.

2. View an interactive overhead 2D image of your local map. Zoom in and out and jump to POIs.

3. Select a Point of Interest for quick, easy navigation. A list of nearby results will show when connected to satellites, or you will be able to enter a POI by name for a statewide search (make note of the state that is selected, item 6., this page)



4. Select from a list of your favorite locations for quick, easy navigation. Add or remove favorites by selecting the "Edit" button from the favorites page.

5. Enter an address manually. Enter a city or zip code (make sure you have the correct state selected, item 6. this page). Enter a street and address number, or select a POI near the city or street of your designation. POI searches will list up to 74 of the nearest results.

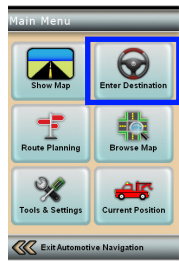
6. Selecting your State, Province, or Territory is very important. *Note: This selection will affect POI searches and city/zip code results.

Entering a Destination

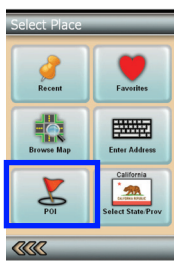
Automotive Navigation

Search by Point of Interest

There are multiple ways to search by Point of Interest. This method will bring up the top three local results based upon your position. You can view more local results by selecting the “More” button. The device will show up to 74 of the closest results. Alternately, you may enter the name of the destination you are looking for (when you start typing, the device pulls up POIs Statewide for whichever state is selected). To search using this method, follow the steps below.



1. Select “Enter Destination” from the Main Menu.



2. Select the POI button from the Select Place menu.



3. Scroll through the POI Library and select the appropriate category for your search.

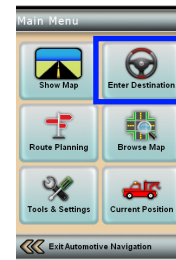


4. The top 3 nearest results will display. Select “More” to view up to 74 results or type in the name of a destination.

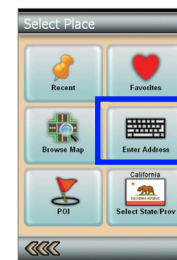
Automotive Navigation

Search by Point of Interest

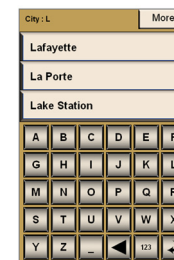
The AG50s also allows you to search for POIs near a City or near a street by following the steps below. This method will list up to 74 results closest to the city center or the street selected.



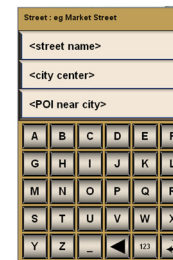
1. Select “Enter Destination” from the Main Menu.



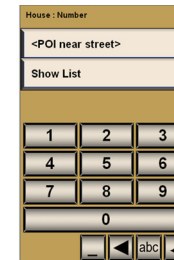
2. Select “Enter Address” from the Select Place menu.



3. Enter a city name and select it from the list by pressing the selection bar.



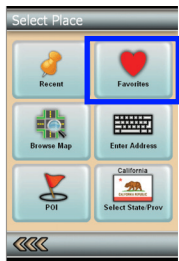
4. Select “POI near city” and select your POI category in the POI Library. If you want to search for a POI near a street, enter a street name.



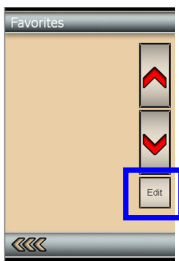
5. Enter a street name and select it from the list. Then select “POI near street” and select your POI category from the POI Library.

Automotive Navigation

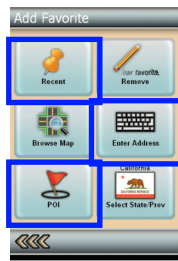
The automotive software on the AG50s makes it quick and easy to save destinations and to access saved destinations. To do so follow the steps below.



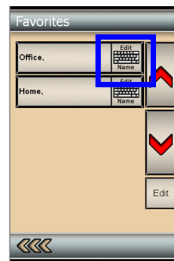
1. Select "Favorites" from the Select Place menu.



2. From the Favorites menu, select the "Edit" button.



3. Add favorites by entering the address, selecting a POI, or selecting from a list of recent destinations.



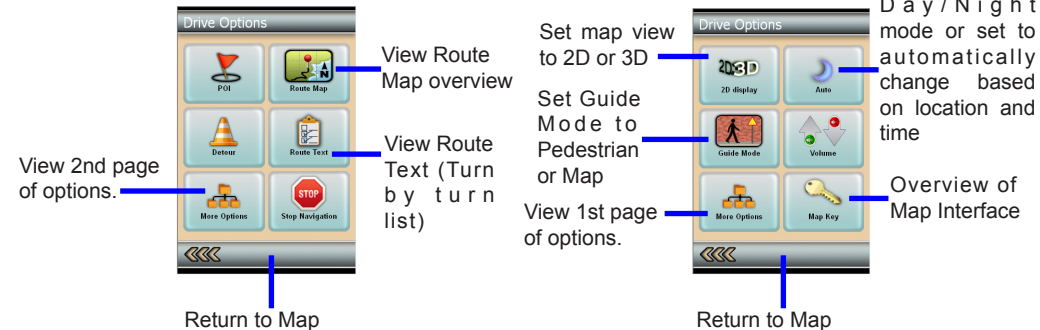
4. Saved destinations are listed in the Favorites menu. Name your saved locations by selecting "Edit Name."

Saving a Destination

Automotive Navigation

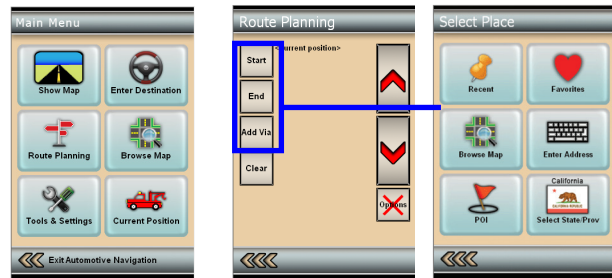
When in map mode, you have multiple options of how to view the map. You can view these by tapping on the map during navigation.

Map View Options



Automotive Navigation

The AG50s allows you to plan routes with multiple destinations along the way. Follow the steps below.



1. From the Main Menu, select "Route Planning."



2. Select "Start" to set your starting point. Select "End" to set your ending point. Add destinations by selecting "Add Via." When selecting Start, End, or Add Via, you will be taken to the Select Place menu, where you can enter the destination or choose a destination from Favorites or Recent.

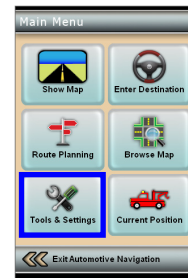
Route Planning



3. After adding all destinations, select the "Options" button to go to the Plan Options menu. From the Plan Options menu, select "Drive" to begin navigation.

Automotive Navigation

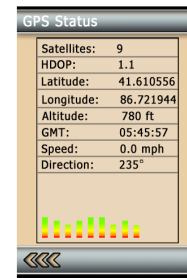
This option allows you to view the current signal and location status of your GPS. To view this information, follow these steps.



1. From the main menu, select Tools & Settings.



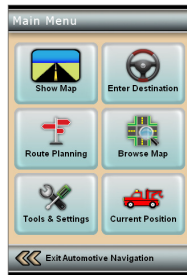
2. In the Tools & Settings menu, scroll down and find the "GPS" Button. Select the GPS button.



3. The GPS status screen is displayed. A minimum of 3 satellites are needed to triangulate a position.

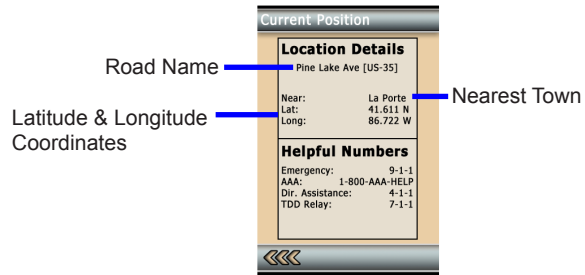
Automotive Navigation

The Current Position function lets you know your exact location. This information can be very helpful in the event of needing to know your approximate location. It is quick and easy to access from the main menu.



From the Main Menu, select the "Current Position" button.

Current Position

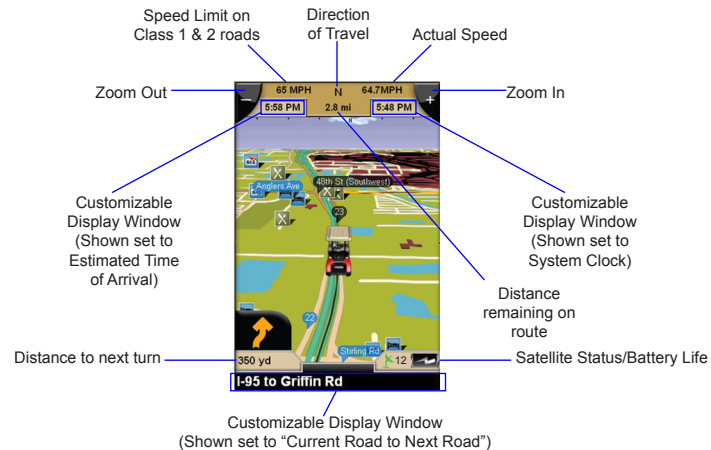


The Current Position page shows the road name, the nearest town, Latitude & Longitude coordinates, and useful phone #'s.

Automotive Navigation

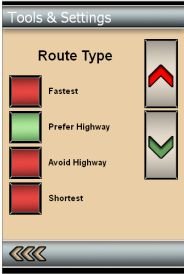
Map User Interface

The User Interface in map view is easy to read. The User Interface is preset with certain information but also contains 3 customizable points. Simply tap the screen in the appropriate window to change the settings for that window.



Automotive Navigation

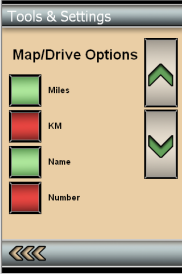
The Tools & Settings menu allows you to set and adjust your navigation preferences and more. Here is a brief overview of the options. Use the green arrows to navigate through the menus. Select the Back Arrow button from any Tools & Settings screen to return to the main menu.



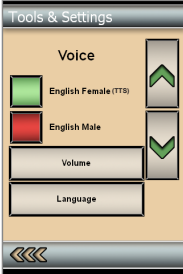
Select your preferred route type from this screen.



Opt for or against toll roads from this screen.



Select preferred units of measurement. Select whether highways should be called out by name or number in instances where both apply.



Set navigational voice preferences. TTS (Text To Speech) is the optimum setting, as it will pronounce street names.



Select "GPS" to check satellite signal. Select "POI" to set which types of POIs should appear on the navigation map. Select "Favorites" to save destinations.

Tools & Settings

Automotive Navigation

Issue
1. Trouble acquiring satellite signal. Please refer to answers 1a. & 1b. in the Cause(s) & Solution(s) section.
*Note: if the provided solutions do not resolve the problem, please contact Espresso Satellite Navigation.
2. Trouble selecting keys or buttons on the touch screen. Please refer to answer 2. in the Cause(s) & Solution(s) section.

Troubleshooting Guide

Cause(s) & Solution(s)
1a. It can take up to 10 minutes to initialize the integrated GPS receiver for the first time. Each time you turn on the device thereafter, GPS reception starts within one minute. If the navigation device has been switched off for more than a week, the next initialization can also take up to 10 minutes.
1b. When trying to acquire satellite signal, it is advisable to have the screen flipped up into the open position. In the open position, the antenna will be located at the top of the device, and will be completely un-obscured, thus performing approximately 30% more efficiently.
2. Sometimes you may need to re-calibrate the screen. To do so, select the tools icon from the main menu and select "Screen Calibration." Make sure the device is sitting on a flat, level surface, and follow the prompts on the screen.

Automotive Navigation

Troubleshooting Guide

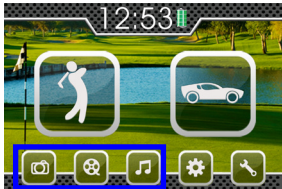
Issue	Cause(s) & Solution(s)
3. Error Messages: “The Navigation File Does Not Exist” “Fatal Application Error” Please refer to answers 3a. & 3b. in the Cause(s) & Solution(s) section. *Note: if the provided solutions do not resolve the problem, please contact Espresso Satellite Navigation at 866-691-1350. In Europe or Australia, visit www.expressogps.com or email support@expressogps.com .	3a. Perform a hard reset (reboot) as detailed on page 6. 3b. If you still see this message occur, check the internal memory of the device to make sure that the Navipath file has not been deleted. Do so by going to your start menu, select “Computer” or “My Computer” and find your “Removable Disk.”

Automotive Navigation

Troubleshooting Guide

Issue	Cause(s) & Solution(s)
4. How do I update my NAVTEQ maps for the automotive navigation? Please refer to answer 4. in the Cause(s) & Solution(s) section. For any other questions or further information contact Espresso Satellite Navigation at 866-691-1350 or email support@expressogps.com .	4. Please contact Espresso Satellite Navigation at 866-691-1350 to check to see if your version is up to date. Espresso will also email registered customers with details for obtaining map updates when they are available, so Please make sure to register your device at the following webpage: www.expressogps.com/registration.html

Multimedia Features



To access the multimedia features, from the AG50s main menu, select one of the 3 media buttons (Photos, Video, or Music). *Note: Photos and Video are not available in portrait mode.

Supported File Types:

Music: WMA, MP3, AAC, AC3, and WAV

Video: AVI, WMV, MPEG, MPG, FLV, ASF, 3GP, and MP4

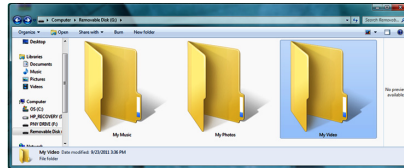
Photos: BMP, JPG, and JPEG

Overview

2GB-32GB SD card needed for Music, Video, and Photos. SD card is not included.

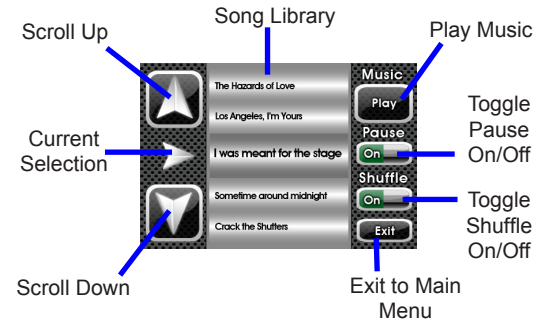
SD cards must be set up correctly in order for it to recognize the multimedia files correctly. Here is how to set up the SD card:

- Insert the SD card into the SD card slot on your computer.
- Open up the SD card by going to the start menu on your computer, select "Computer" or "My Computer," and find the SD card under "Devices with Removable Storage."
- Create 3 folders on the SD card and name them My Music, My Video, and My Photos as shown below.
- Copy and paste supported media files into the corresponding folder.



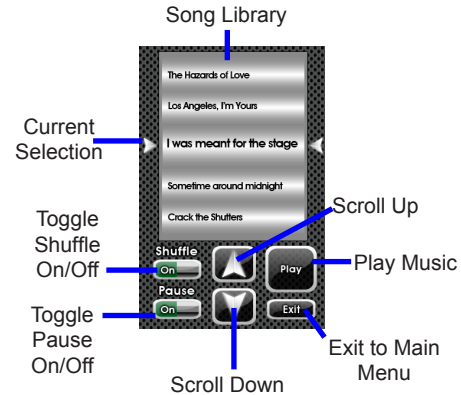
Multimedia Features

Music User Interface Landscape View



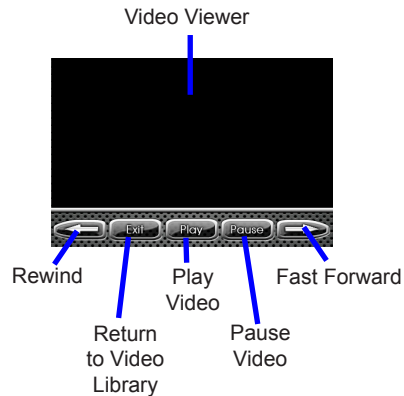
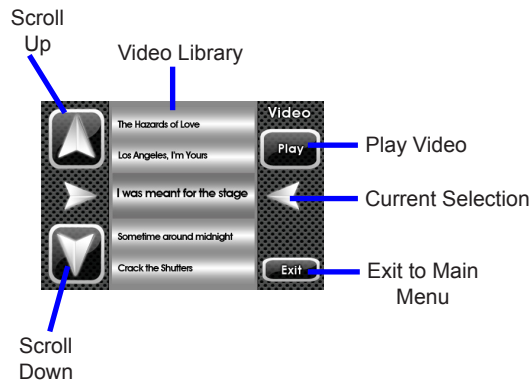
Music Player

Music User Interface Portrait View



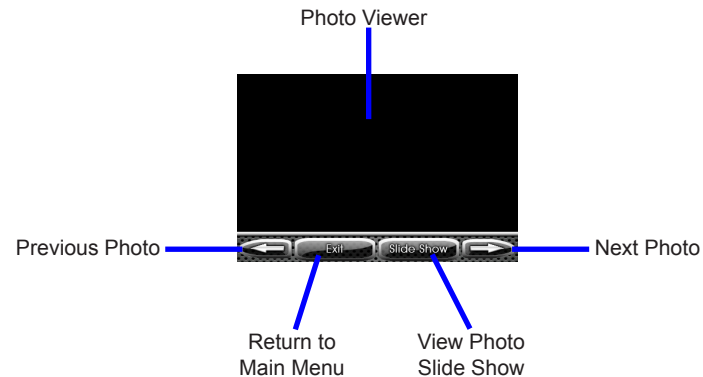
Multimedia Features

Video Player



Multimedia Features

Photo Viewer



Multimedia Features	Troubleshooting Guide	Appendix	Software Specifications & Liscensing
Issue 1. Trouble viewing pictures, video or playing music Please refer to answers 1a.-1c. in the Cause(s) & Solution(s) section. *Note: if the provided solutions do not resolve the problem, please contact Espresso Satellite Navigation. 2. Trouble selecting keys or buttons on the touch screen. Please refer to answer 2. in the Cause(s) & Solution(s) section.	Cause(s) & Solution(s) 1a. Make sure that the SD card with the media files you are trying to play is inserted into Slot B. 1b. Make sure that the media folders on the SD card are named correctly as follows: My Music, My Video, and My Photos. (See Page 47) 1c. Make sure that the files you are trying to view are a format supported by the AG50s media player. (See page 47 for a list of supported file types) 2. Sometimes you may need to re-calibrate the screen. To do so, select the tools icon from the main menu and select “Screen Calibration.” Make sure the device is sitting on a flat, level surface, and follow the prompts on the screen.	Software Powered by iGolf version 3.0 Mobile Navigator version 2.1 -Includes text-to-speech guidance (speaks street names), Preloaded Points of Interest, and lane/turn assist NAVTEQ version 01.01.11 -Depending on your continent, the AG50s includes maps for either 1. The USA & Canada including Hawaii, Alaska, & Puerto Rico, 2. Australian & New Zealand, or 3. The United Kingdom Software License Agreement By using the Espresso AG50s, you agree to be bound by the terms and conditions of the following software license agreement. Please read this agreement carefully. Espresso Satellite Navigation, INC. grants you a limited license to use the software embedded in this device (the “software”) in binary executable form in the normal operation of the product. Title, ownership rights, and intellectual property rights in and to the software remain in Espresso Satellite Navigation, INC. You acknowledge that the software is the property of Espresso Satellite Navigation, INC. and is protected under the United States of America copyright laws and international treaties. You further acknowledge that the structure organization, and code of the software are valuable trade secrets of Espresso Satellite Navigation, INC. You agree not to decompile disassemble, modify, reverse assemble, reverse engineer, or reduce to human readable form the software or any part thereof or create any derivative works based on the software. You agree not to export or re-export the software to any country in violation of the export control laws of the United States of America.	

